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- R is a linear or branched aliphatic radical, a substituted or unsubstituted cycloaliphatic radical, a substituted or unsubstituted aromatic radical possibly comprising several aromatic rings and/or hetero atoms, or a polymeric chain possibly containing hetero atoms,

- A represents the amine or amine salt functional group, or the acid, ester, acid halide or amide functional group,
- B represents the amine or amine salt functional group when A represents an acid, ester, acid halide or amide functional group, and an acid, ester, acid halide or amide functional group when A represents an amine or amine salt functional group,

and at least one of the bifunctional monomers of the following formulae II to IV with, optionally, at least one of the monofunctional monomers of the following formulae V or VI, or with a prepolymer obtained from at least one bifunctional monomer of the following formulae II to IV and, optionally, at least one monofunctional monomer of the following formulae V or VI,

- the bifunctional monomers satisfying the following general formulae:

 $A_1 - R_3 - A_1 \qquad (II)$ 

 $B_1-R_4-B_1$  (III) and/or

A<sub>1</sub>-R<sub>5</sub>-B<sub>1</sub> or the corresponding lactams (IV)

- the monofunctional monomers satisfying the following general formulae:

 $R_6-B_1$ 

(V) and/or

 $R_7 - A_1$ 

(VI)

## in which

- $A_1$ ,  $B_1$  represent, respectively, an acid, ester or acid chloride functional group and an amine functional group or an amine salt,
- R<sub>3</sub>, R<sub>4</sub>, R<sub>5</sub>, R<sub>6</sub>, R<sub>7</sub> represent substituted or unsubstituted, aromatic, linear or branched, alkyl hydrocarbon radicals or alkylaryl, arylalkyl, or cycloaliphatic radicals possibly including unsaturated groups.--

